

(57) **Abstract:** A simulation testing system and method for testing an automobile system or component(s) such as an exhaust system (14) comprises first and second multi-axis simulation tables. One part of the exhaust system is supported by one of the tables with another part being supported by the other table. Each table includes hydraulic actuators (8) capable of imparting motion to the tables in a number of directions. The tables are independent from each other so that the motion imparted to one table can be distinct and separately controlled from that motion imparted to the other table. By arranging the tables so that the motions can vary between the two tables, more realistic simulation testing can be performed on the system or component being tested.